



Senior R&D System Engineer

URGENT

募集職種

人材紹介会社

Advisory Group株式会社

採用企業名

Aerospace Company

求人ID

1472144

業種

自動車・自動車部品

会社の種類

中小企業 (従業員300名以下) - 外資系企業

外国人の割合

外国人 半数

雇用形態

正社員

勤務地

その他東京

給与

経験考慮の上、応相談 ~ 1100万円

更新日

2024年07月15日 02:00

応募必要条件

職務経験

6年以上

キャリアレベル

中途経験者レベル

英語レベル

ビジネス会話レベル (英語使用比率: 75%程度)

日本語レベル

日常会話レベル

最終学歴

大学卒 : 学士号

現在のビザ

日本での就労許可が必要です

募集要項

As the Advanced Research & Development (ARD) Systems Engineer, you will play a vital role in two primary ARD projects:

1. New Technology Development/Demonstration:

- Drive advancements in cutting-edge technologies.
- Demonstrate the feasibility and functionality of new technologies.

2. Next-Generation Lunar Transportation, Infrastructure, and Resource Utilization System Architecture:

- Lead the creation of system architectures from initial concept to the preliminary design level.
- Contribute to the development of lunar transportation, infrastructure, and resource utilization systems for the next generation.

You will collaborate with a multidisciplinary team, contributing not only to the technical aspects but also providing valuable inputs to the business and finance sides. This includes defining initial costs and schedules. The role involves close collaboration with engineering teams across Japan, the EU, and the US, influencing and shaping the company's R&D direction.

Key Responsibilities

1. Systemic Analysis:

- Lead and perform in-depth systemic analysis of key technologies aligned with the company's R&D roadmap.
- Report the value of technologies within the context of lunar transportation and cislunar ecosystem development.

2. Tradespace Analysis:

- Conduct tradespace analysis to effectively integrate R&D developments into landers, orbiters, and rovers.
- Enhance mission value through strategic integration.

3. Project Implementation:

- Work closely with cross-functional teams to implement selected R&D projects.
- Oversee technology demonstration projects and customer servicing initiatives.

スキル・資格

• Minimum 6 Years Work Experience:

- At least 3+ years in systems engineering for space projects.
- At least 3+ years in one or more spacecraft design fields: structures, thermal, power, communications, GNC, flight dynamics.
- Working experience with modeling and optimization tools (GMAT, STK, Catia, Thermal Desktop, link budget simulation, etc).
- Programming language experience (Python, C, C++).

• Additional Preferred Qualifications:

- Working experience with composite materials and their structural/thermal properties.
- Expertise in deployable technologies and flexible modes (panels, antennas, etc).
- Familiarity with radio-active heating/powering units.
- Knowledge of interoperable nodes constellation design (intersatellite link, PNT, communication coverage).
- Experience in In-Situ Resource Utilization (ISRU) projects.
- 3+ years of experience with Python.
- Experience in systems engineering applying the Model Based Systems Engineering (MBSE) approach.

会社説明